

**Table CE3-7e. Electric Air-Conditioning Energy Expenditures in U.S. Households by Four Most Populated States, 2001**

|   | Total<br>U.S. | Four Most Populated States |            |       |         | RSE<br>Row<br>Factors |
|---|---------------|----------------------------|------------|-------|---------|-----------------------|
|   |               | New York                   | California | Texas | Florida |                       |
|   | 0.4           | 0.9                        | 1.5        | 1.5   | 1.3     |                       |
| RSE Column Factor:  |               |                            |            |       |         |                       |
| <b>Million Households</b>                                       |               |                            |            |       |         |                       |
| <b>Total U.S. Households</b> .....                              | 107.0         | 7.1                        | 12.3       | 12.3  | 6.3     | NE                    |
| No/Don't Use Air-Conditioning .....                             | 26.2          | 2.4                        | 7.2        | 7.2   | Q       | 6.3                   |
| Electric Air-Conditioning <sup>1</sup> .....                    | 80.8          | 4.7                        | 5.2        | 5.2   | 6.1     | 3.7                   |
| Central Air-Conditioning <sup>2</sup> .....                     | 57.5          | 1.3                        | 3.9        | 3.9   | 5.7     | 8.1                   |
| Room/Wall Air-Conditioning .....                                | 23.3          | 3.4                        | 1.2        | 1.2   | 0.3     | 13.5                  |
| <b>Billion Dollars<sup>a</sup></b>                              |               |                            |            |       |         |                       |
| <b>Electric Air-Conditioning Expenditures</b>                   |               |                            |            |       |         |                       |
| Total .....   | 15.94         | 0.51                       | 0.64       | 0.64  | 2.64    | 9.1                   |
| Central Air-Conditioning .....                                  | 13.81         | 0.17                       | 0.59       | 0.59  | 2.59    | 11.2                  |
| Room/Wall Air-Conditioning .....                                | 2.13          | 0.34                       | 0.05       | 0.05  | 0.05    | 17.4                  |
| <b>Dollars per Household<sup>3,a</sup></b>                      |               |                            |            |       |         |                       |
| <b>Electric Air-Conditioning Expenditures per Household</b>     |               |                            |            |       |         |                       |
| Electric Air-Conditioning .....                                 | 197           | 109                        | 125        | 125   | 436     | 6.7                   |
| Central Air-Conditioning .....                                  | 240           | 134                        | 150        | 150   | 454     | 8.8                   |
| Room/Wall Air-Conditioning .....                                | 91            | 100                        | 41         | 41    | 146     | 11.5                  |
| <b>2001 Cooling Degree-Days (CDD) per Household<sup>3</sup></b> |               |                            |            |       |         |                       |
| <b>2001 Cooling Degree-Days per Household</b>                   |               |                            |            |       |         |                       |
| Total U.S. Households .....                                     | 1,407         | 988                        | 860        | 860   | 3,452   | 5.0                   |
| No/Don't Use Air-Conditioning .....                             | 883           | 946                        | 627        | 627   | Q       | 4.9                   |
| Electric Air-Conditioning .....                                 | 1,578         | 1,009                      | 1,183      | 1,183 | 3,434   | 5.0                   |
| Central Air-Conditioning .....                                  | 1,701         | 749                        | 1,276      | 1,276 | 3,398   | 7.2                   |
| Room/Wall Air-Conditioning .....                                | 1,274         | 1,106                      | 881        | 881   | 4,022   | 8.4                   |
| <b>Cooled Square Footage (CSF) per Household<sup>3</sup></b>    |               |                            |            |       |         |                       |
| <b>Cooled Square Footage per Household</b>                      |               |                            |            |       |         |                       |
| Electric Air-Conditioning .....                                 | 1,724         | 1,149                      | 1,374      | 1,374 | 1,682   | 6.7                   |
| Central Air-Conditioning .....                                  | 2,032         | 1,852                      | 1,640      | 1,640 | 1,732   | 9.0                   |
| Room/Wall Air-Conditioning .....                                | 967           | 886                        | 512        | 512   | Q       | 6.5                   |

See footnotes at end of table.

**Table CE3-7e. Electric Air-Conditioning Energy Expenditures in U.S. Households by Four Most Populated States, 2001 (Continued)**

|  | Total<br>U.S. | Four Most Populated States |            |       |         | RSE<br>Row<br>Factors |
|--|---------------|----------------------------|------------|-------|---------|-----------------------|
|  |               | New York                   | California | Texas | Florida |                       |
|  | 0.4           | 0.9                        | 1.5        | 1.5   | 1.3     |                       |
| RSE Column Factor:   |               |                            |            |       |         |                       |
| <b>Air-Conditioning Intensity<sup>3,a</sup> [Cents÷{CDD×(CSF÷1000)}]</b> |               |                            |            |       |         |                       |
| <b>Air-Conditioning Intensity</b>  |               |                            |            |       |         |                       |
| Electric Air-Conditioning .....  | 7.26          | 9.39                       | 7.67       | 7.67  | 7.55    | 4.7                   |
| Central Air-Conditioning .....   | 6.96          | 9.64                       | 7.19       | 7.19  | 7.71    | 6.0                   |
| Room/Wall Air-Conditioning .....   | 7.42          | 10.17                      | 9.05       | 9.05  | 4.12    | 7.7                   |

<sup>1</sup> The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 million).

<sup>2</sup> The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

<sup>3</sup> Averages are for those households using any electric air-conditioning, central air-conditioning, or room/wall air-conditioning, as applicable.

<sup>a</sup> The row factor in this section is underestimated because it contains no error for estimating the end-use.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.